EDN Series

Indoor IP Dome Camera

Quick Installation Guide

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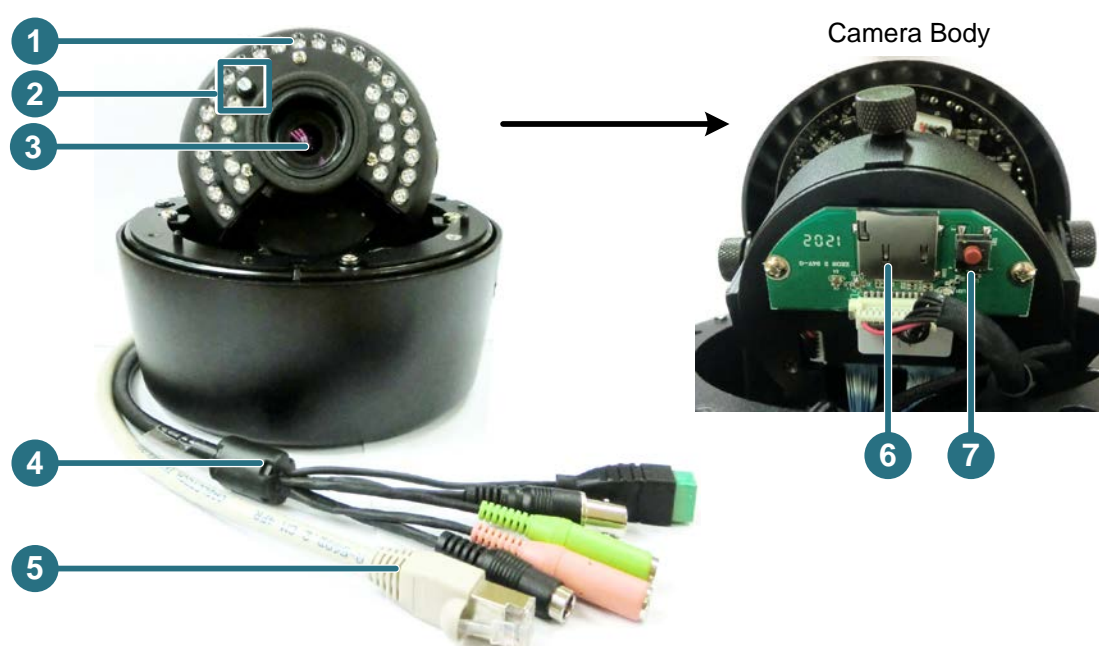**EverFocus®**

1. Overview

The EDN series IP dome is designed for indoor use. The series comes in three models: **EDN3160 / 3260 / 3340**.

Model Name	Megapixel	P-Iris	WDR
EDN3160	1.3 MP	Yes	Yes
EDN3260	2 MP	Yes	Yes
EDN3340	3 MP	Yes	No

Camera Body

No.	Item Name	Descriptions
1	**IR LEDs**	33 IR LEDs for infrared illumination in night vision applications.
2	**Light Sensor**	Detects lights.
3	**Lens**	Varifocal lens with P-Iris control.
4	**5-Pin Data Cable**	Provides connections for power, TV output, video input / output and alarm input / output. See *2.Cables* later in this Quick Installation guide.
5	**LAN / PoE Cable**	Connects to a 10/100 Ethernet or PoE.
6	**Micro SD / SDHC Slot**	For inserting a micro SD / SDHC card.
7	**Reset Button**	Resets all configurations to the factory default settings.

System Requirement

Before installing, please check that your computer meets this system requirement.

- Operating System: Microsoft Windows XP / Vista (32-bit) / 7 (32-bit)
- Microsoft Internet Explorer 7 or above

Packing List

- EDN Series Camera x 1
- Long Screw x 4
- Screw Anchor x 4
- Hexagon Screwdriver x 1
- Power Pigtail Cable x 1
- Circle Plate x 1

- Terminal Block x 1
- RJ-45 Connector x 1
- Mounting Template x 1
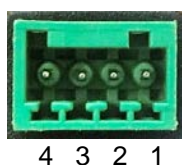- Software CD x 1
- Quick Installation Guide x 1

Note:

1. Equipment configurations and supplied accessories vary by country. Please consult your local EverFocus office or agents for more information. Please also keep the shipping carton for possible future use.
2. Contact the shipper if any items appear to have been damaged in the shipping process.

2. Cables

The Cables provide connections for network, power, TV output, video input / output and alarm input / output. The wires are illustrated and defined below. Please note that microphones with external power supplies are required.

LAN / PoE Cable
Alarm Input / Output
Audio Input (Pink)
Audio Output (Green)
TV Output (BNC)
12V DC Input
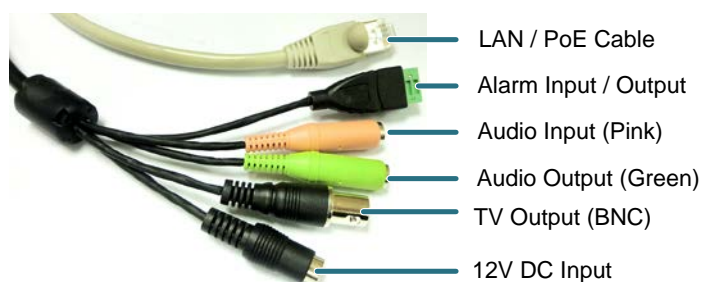
Pin Assignment for Alarm Input / Output

4 3 2 1

Pin 1: Alarm In
Pin 2: Alarm GND
Pin3: Alarm Out-
Pin4: Alarm Out+

3. Installation

There are two ways to mount the EDN IP Dome: **Wall-Surface Mount** and **In-Ceiling Mount**.

Wall-Surface Mount:

1. Paste the supplied mounting template onto a desired location on the wall. Drill the four red cross marks, and the red circle mark only if you wish to run the wires into the wall.
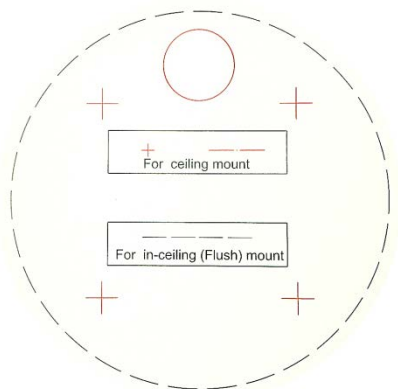
> **Note:** The minimum recommended thickness of the wall is 1 cm.

2. Push the four supplied anchors into the four holes on the wall.
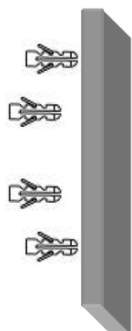
3. Unscrew the three screws by using the supplied hex screwdriver and remove the cover.

4. Unscrew the three screws and take out the camera body.

5. Thread the cables on the side of the camera case. If you want to wire the cables through the wall, run the cables through the hole at the bottom.
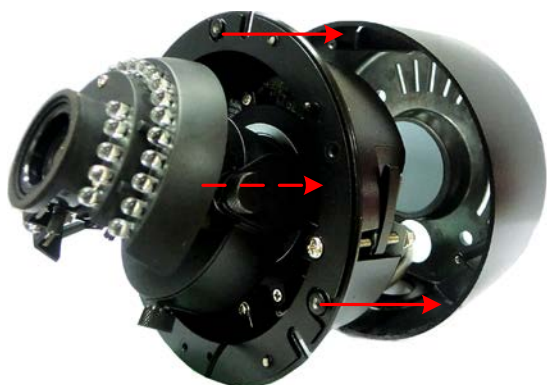

6. If you run the cables through the bottom hole in **Step 5**, screw the circle plate on the side hole for waterproofing. You can simply tighten the circle plate using a coin.
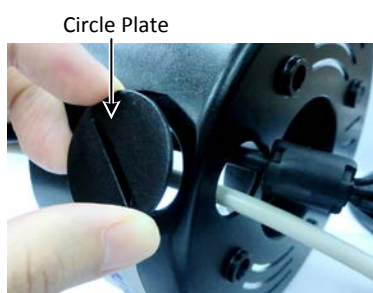

7. Secure the camera case to the wall using the supplied four long screws.
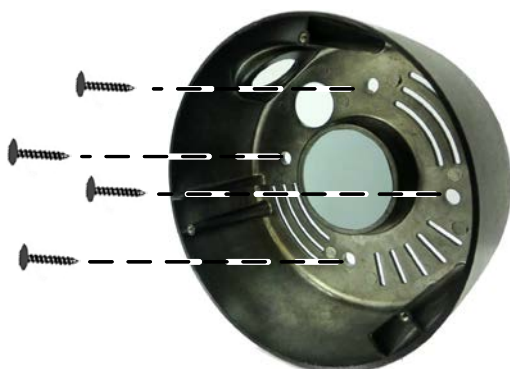
8. Place and screw the camera body back to the camera case.

9. Connect the network, power and other cables to the camera. Refer to *2. Cables*.

10. Optionally insert a micro SD / SDHC card to the card slot. See **No.5** in *1. Overview*.

11. Access the camera live view. See *4. Accessing the Camera*. Or using the Test-Out cable to connect a monitor to the camera for setting image aim and focus.

12. Adjust camera lens and angles.

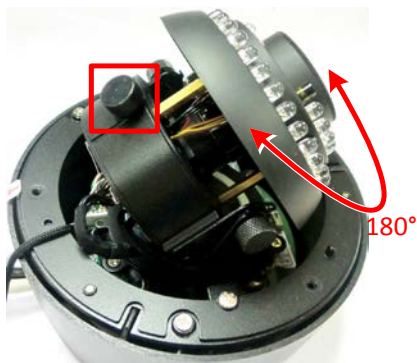   a.   Use the Zoom / Focus screws to adjust camera lens.
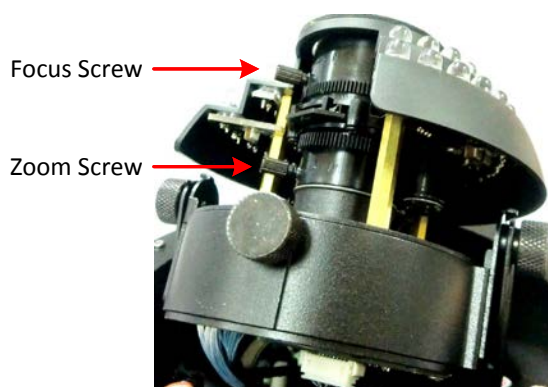
    b.   To adjust the camera to a desired angle:

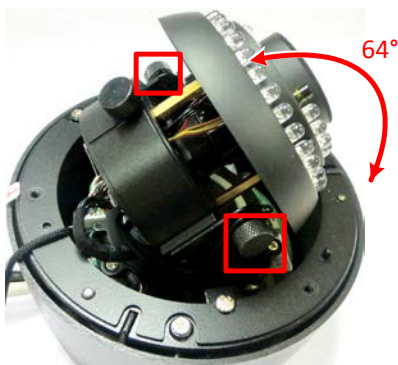   **Pan Adjustment:** Simply turn left / right of the top camera body.
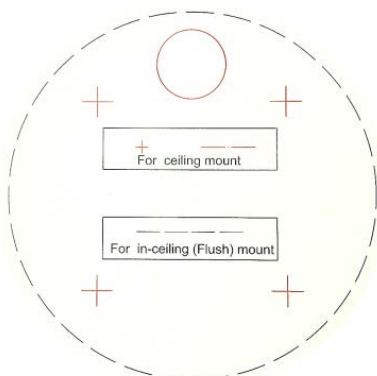
Rotational Adjustment: Using the rotate screw.

Tilt Adjustment: Using the two tilt screws.

13. Secure the cover back to the camera.

In-Ceiling Mount:

1. Paste the supplied mounting template onto a desired location on the wall. Cut a circle on the ceiling along the circle edge of the mounting template.
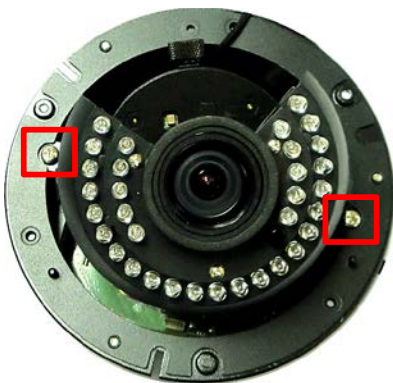

2. Follow **Steps 3 to 6** in *Wall-Surface Mount* to take out the camera body and run the cables.

3. Place the camera body into the ceiling opening.

4. On the back side, make sure the black plastic clips are slightly above the ceiling board and pointing outward.
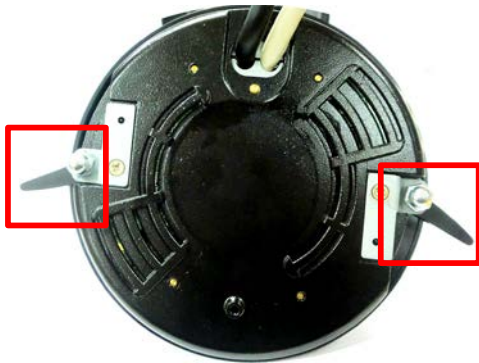
5. Tighten the bracket screws from the front side of the camera.

6. Connect the network, power and other cables to the camera. Refer to *2. Cables.*
7. Optionally insert a micro SD / SDHC card to the card slot. See **No.5** in *1. Overview.*
8. Access the camera live view. See *4. Accessing the Camera*. Or using the Test-Out cable to connect a monitor to the camera for setting image aim and focus.
9. Adjust camera lens and angles. See **Step 11** in *Wall-Surface Mount.*
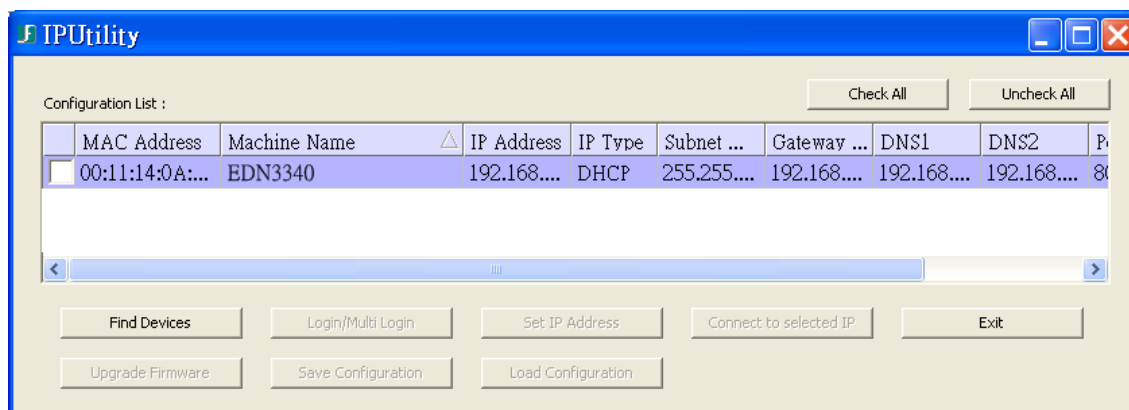10. Secure the cover back to the camera.

4. Accessing the Camera

You can look up the IP address and access the Web interface of the camera using the **IP Utility (IPU)** software included in the software CD. Please connect the camera in the same LAN of your computer.

1. Install and then start the IPU program . The following dialog box appears.

2. IPU will automatically search the cameras connected in the LAN. The default network values of the cameras will be displayed. By default, the network protocol of the camera is **DHCP**.

3. To configure the network settings, select a camera and then click **Login/Multi Login** to log in.
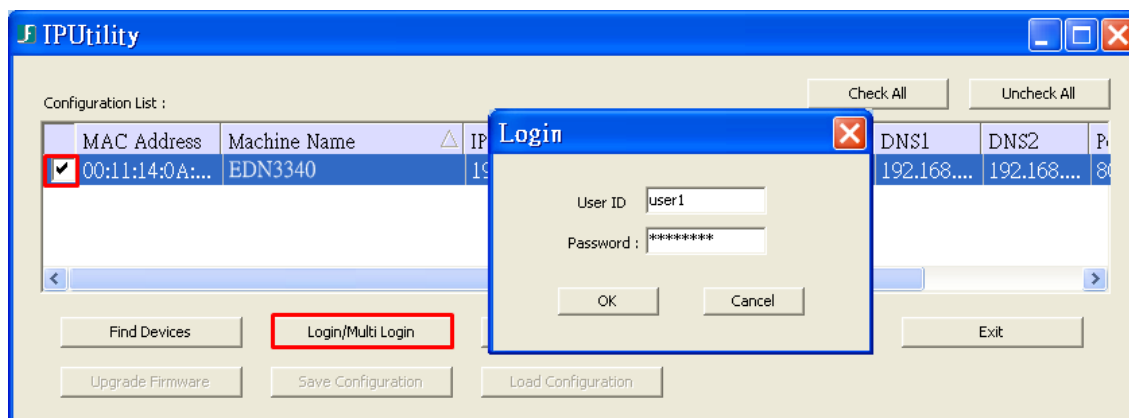

4. Type the user ID and password. Click **OK**.

Note:
1. The default user ID is **user1** and the default password is **11111111**.
2. If you select more than one camera that has the same user ID / password, you will be able to log in several cameras at once.

5. To change the IP setting, double-click the values in the column and type the numbers or select an option. Click **Set IP Address** to save the settings.
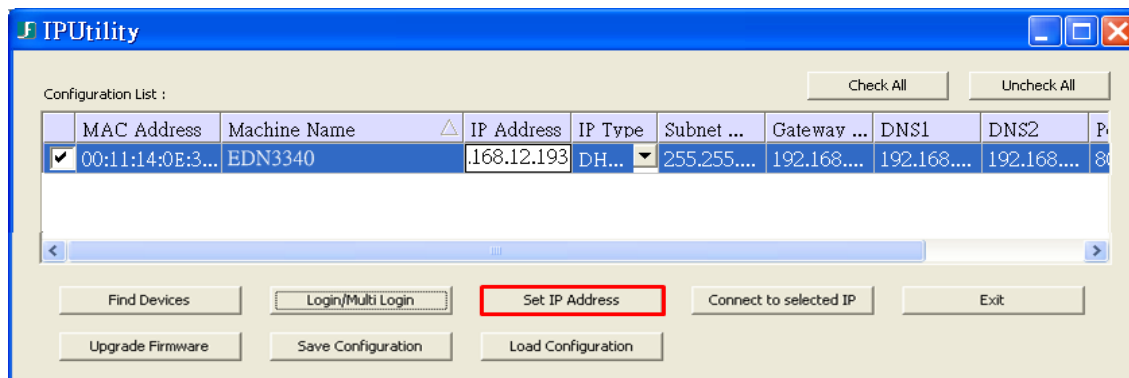
> **Note:** Most networks uses DHCP to assign IP address, if you are unsure of your network settings, please consult your network administrators for configuration details.

6. To access the camera, highlight the camera and click **Connect to Selected IP**. The Internet Explorer window pops up.

7. Type the user ID and password to log in. The Live View window of the camera appears.
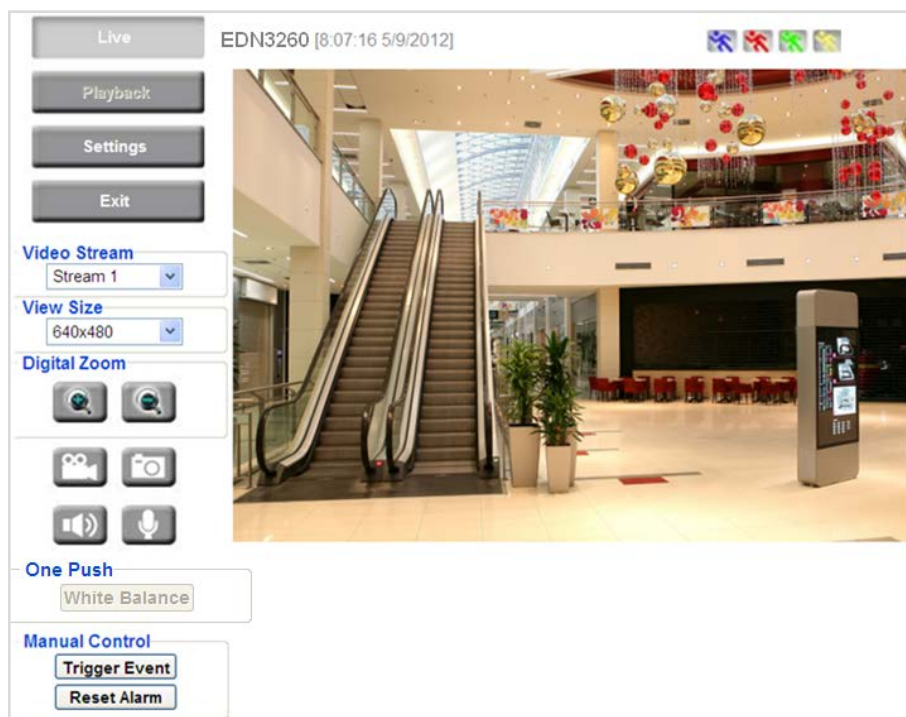

> **Note:**
> 1. You might be required to download **ActiveX** for viewing the camera feed. If asked, click **Yes**.
> 2. To enable Remove Live View, Firmware Upgrade and ActiveX Prompt on Internet Explorer, some settings have to be complete. Please refer to *5.2 Settings for Microsoft Internet Explorer* in the *User's Manual*.

5. Network Connections

You can use one of the methods below to connect the camera to the network.

Router or LAN Connection

This is the most common connection in which the IP camera is connected to a router and allows multiple users on and off site to see the IP camera on a LAN/WAN (Internet). The camera must be assigned an IP address that is compatible with its LAN. By setting up port forwarding on the router, you can remotely access the cameras from outside of the LAN via the Internet. To remotely access the Web interface of the IP camera, please refer to *7.3.2 DDNS* in the *User's Manual*. To set up port forwarding, please consult the manual of the router.

Straight-through LAN patch cable
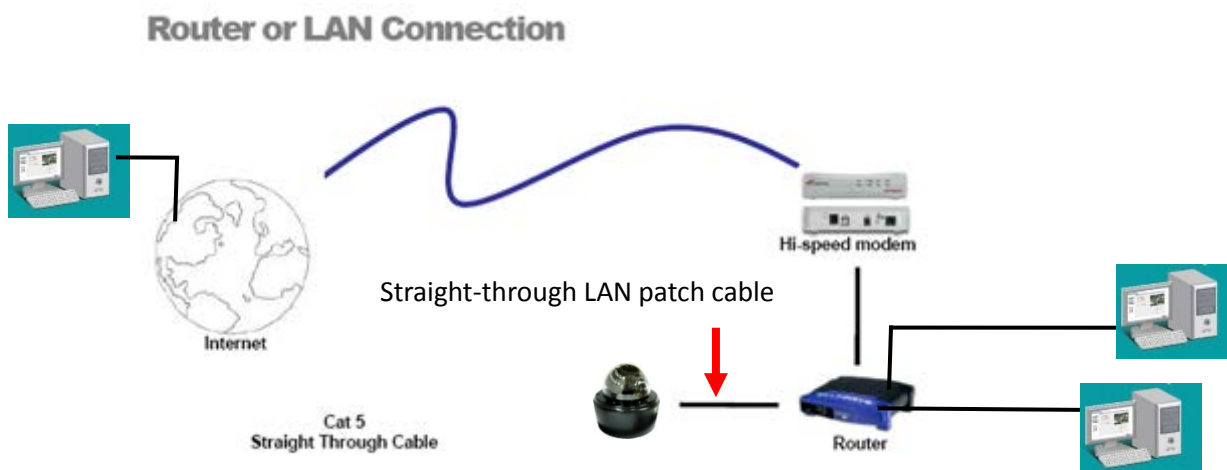
Right: Pinout of a straight-through cable.
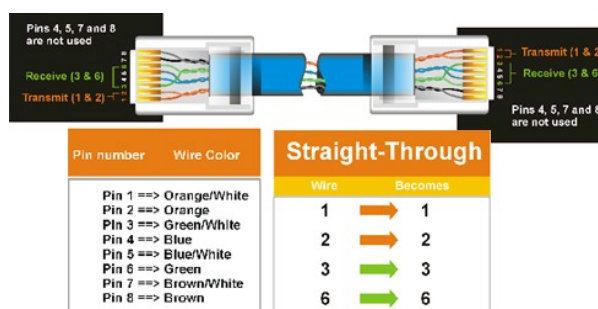
Direct High-Speed Connection

In a Direct High-Speed Connection, the camera connects directly to a modem without the need for a router. You need to set the static or dynamic WAN IP address assigned by your ISP (Internet Service Provider) in the camera's configuration web pages. To access the camera, just type "http://xxx", where xxx is the IP address given by your ISP. If you have a dynamic IP address, this connection may require that you use DDNS for a reliable connection. Please refer to *7.3.2 DDNS* in the *User's Manual*.

Direct High Speed Modem Connection
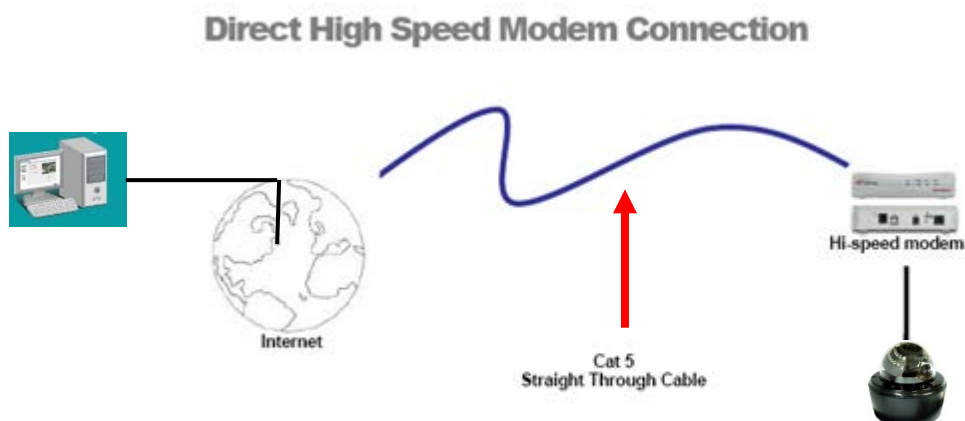
One-to-One Connection (Directly from PC to IP Camera)

You can connect directly without using a switch, router or modem. However, only the PC connected to the camera will be able to view the IP camera. You will also have to manually assign a compatible IP address to both the computer and the IP camera. Unless the PC has another network connection, the IP camera will be the only network device visible to the PC. See the diagram below:
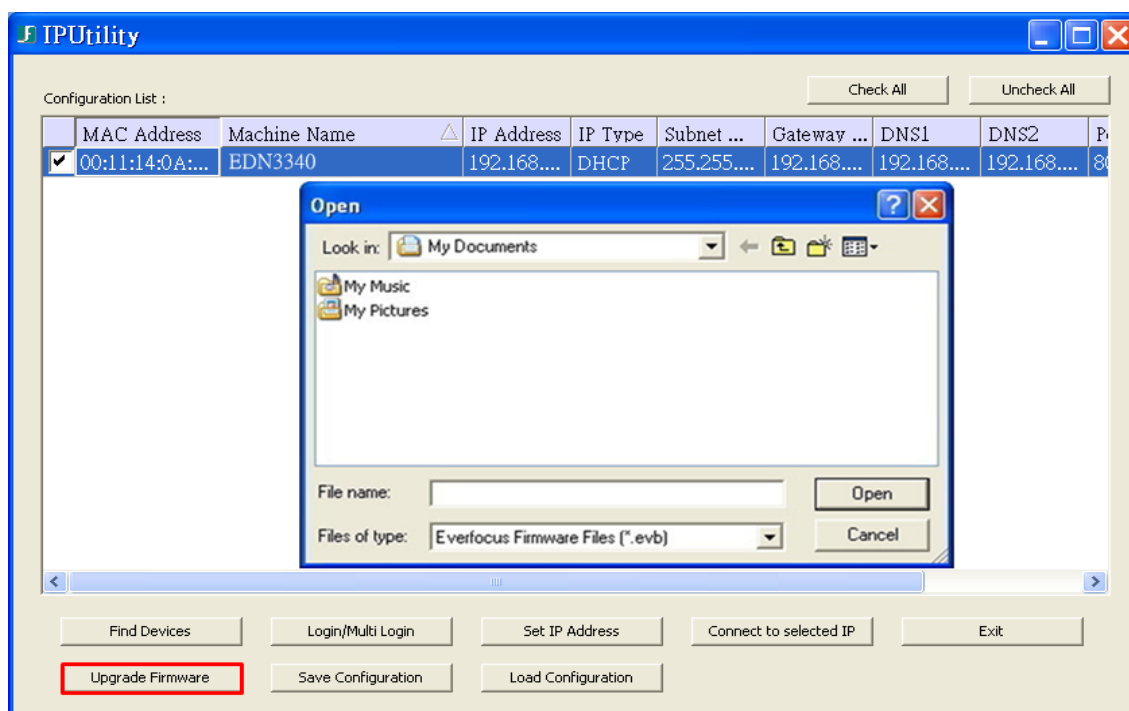
Simple One to One Connection


Right: Pinout of a crossed-over cable.
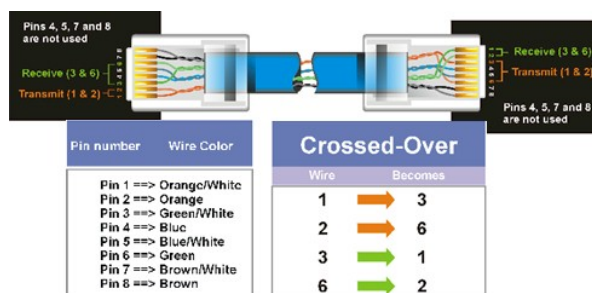
6. Upgrading Firmware

You can upgrade camera's firmware using the **IP Utility** software, which is included in the software CD.

1. Follow **Step 1** to **Step 4** in *5. Assigning an IP Address* to log in the camera.

2. Check the box to select the camera and then click **Upgrade Firmware**. A browsing window appears.

3. Select the **firmware file (.evb)** and then click **Open**. The IP Utility will automatically upgrade the firmware.
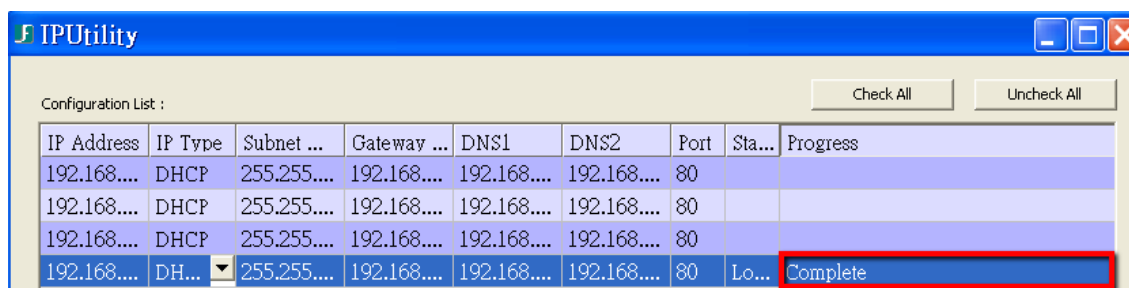
The camera will reboot once the update is complete. Click **Find Devices**, the new firmware version should be displayed in the last part of the Machine Name.

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